

DELEPTED SPEED EMPIRE UNL 64

70:

K. B. Wender, Three her

Joint Highery Decoard: Project

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MOFT

W. L. Wishael decision Diverse.

Joseph Highway Dasparel Fronters

1111 8-3-3 Prijorta 0 364.07

The event of Trailite Spord Topens For 65 has a responsed by Mr. Donolli F. Pobby, Recearth Pridebant on our stadi, under the direction of Product. L. Michielle

This report price to the engly to and date Zor but winder occurs. of 1969. The District has easily self-ministry aboding at the acts for minour beams of 1969. The District has easily self-ministry aboding at the acts has acted beams as a self-converted as usual to the Frihers State Police, the Pediana Office of Traffic Safety, and the Dimess of Fullish Folice. The report is expected. for the ruserd.

Pespon Minilly ochobses,

A. A. Micheel, Shoretery

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TRAFFIC SPEED REPORT NO. 66

This report covers open speed observations made from December, 1958, through March, 1959. The data were collected by the writer. All observations were made of free-moving vehicles on level tangent sections of rural highways. The locations of the observations were as follows:

- 1. U.S. 52 1.0 miles South of S. Jet. S.E. 28 (Dual Lanes)
- 2. U.S. 52 1.0 miles West of Wlendike (Deal Lanes)
- 3. U.S. 32 2.2 miles Northwest of Templeton (2 Lane)
- 4. U.S. 31 7.2 miles North of Permysburg (2 Lane)
- 5. S.R. 35 .7 miles South of Americus (2 lans)
- 6. U.S. 41 1:0 miles North of Boswell (2 Lane)

The speed observations for this study were made with an Electro-Matic Radar Speed Meter. The mater was concealed as part of a rural mailbox which was placed approximately two feet from the edge of the pavement. It was directed along the highway at a small angle with respect to the direction of traffic so that it was not necessary to apply an angle correction to the readings.

Nadar equipment will not operate properly if the operating voltage is more than 1/2 volt low or 1 volt high. The voltage, therefore, was checked periodically in the field with a voltage and maintained within the desired range. The radar equipment was also maintained in correct calibration by shacking the registered speed with a 50 MPH tuning fork.

The observer concessed himself from the traffic as far from the highway as local conditions required. This was possible by using a 150 foct extension cable between the meter reading unit on which the

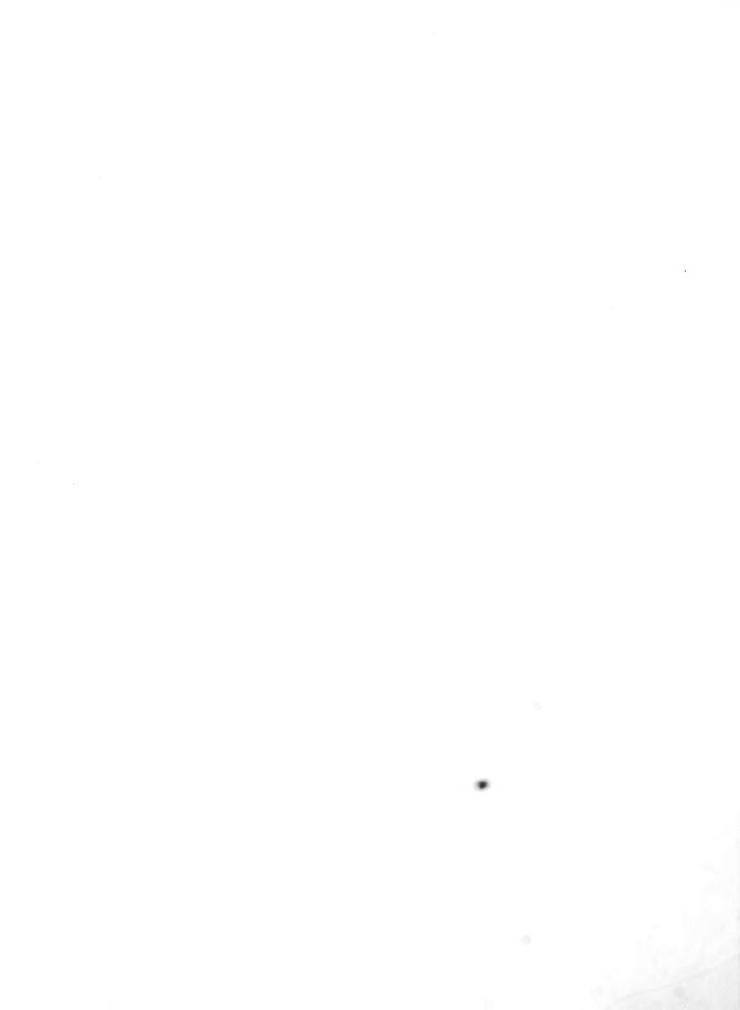
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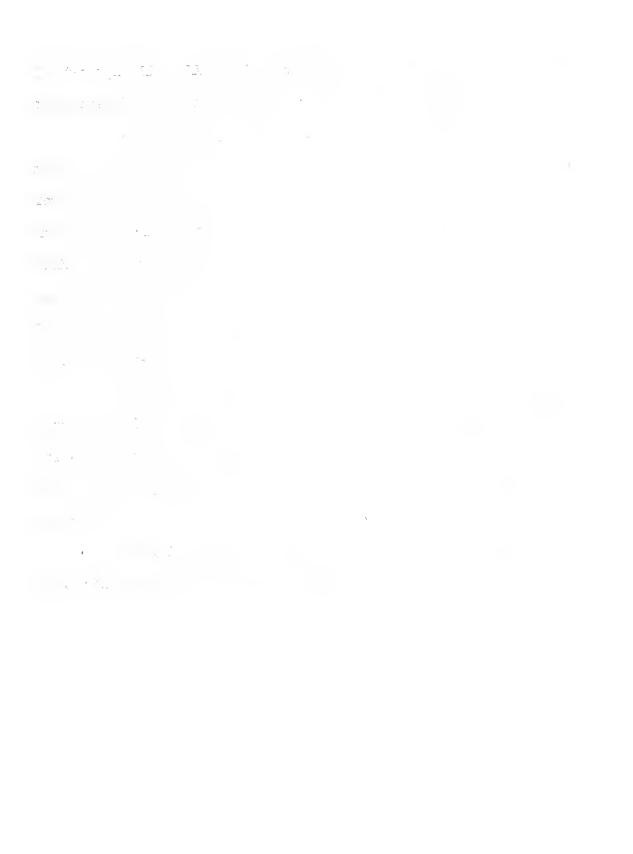
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TABLE I
SUMMARY OF SPOT SPEED OBSERVATIONS
ON INDIANA HIGHWAYS

(Free-Moving Vehicles on Level, Tangent Sections)

			Passenge	er Cars			Trucks		
		Ind Mean	Non-Ind Mean	All Mean	All 85 per	Light Mean	Heavy Mean	All Mean	
ľwo-lane Highways	July'55	53.8	55.7	54.5	64.8	46.2	45.5	45.5	
	Feb. 956	54.9	58.0	55.9	63.2	47.1	43,2	4404	
	Aug. 156	55.0	56.3	55.5	63.4	50.6	45.5	46.6	
	May 157	55.6	59.1	56.9	64.0	50.2	44.8	46.1	
	Aug. 157	55.5	56.7	55.9	62,1	51.7	45.8	47.3	
	Aug. 158	54.3	56.3	55.0	61.7	53.0	46.3	47.8	
	Mar. 159	55.5	57.7	56.1	61.9	50.4	45.4	46.3	
Four⇒land Highways		54.5	56.6	55.2	63.7	47.5	43.9	44.8	
	Feb. 156	58.1	60.1	58.7	65.7	47.8	45.2	45.8	
	Aug. 156	57.4	58,8	58.2	65.8	49.6	46.0	47.4	
	May *57	59.9	63.6	61.0	69.0	52.2	46.0	47.9	
	Aug. 157	57.5	59.9	58.5	64,8	52.0	46.6	47.6	
	Aug. 158	58.0	59.6	58.7	65.0	54.03	49.0	50.0	
	Mar. 159	58.2	61.7	59.0	64.9	53.6	47.0	48.4	
All Highways	July 9 55	54.].	56.6	55.2	64.3	46.9	44,67	45.2	
	Feb. 156	56.0	58.6	56.8	63.8	47.3	44,00	44.9	
	Aug. 156	55.7	57.3	56.4	64.5	50.2	45.6	46.9	
	May 157	57.2	60.3	58.3	66.0	50.9	45.2	46.6	
	Aug. 157	56.2	58.3	56.9	63.2	51.8	46.1	47.4	
	Mar. 159	56.6	59.0	57.2	63.1	51.5	45.9	47.0	

1.0 Mile South of South Jct. S. R. 28 on U. S. 52 Station #1 S. B. - Bit Conc. (Divided Lanes) Weather Sunny & Clear Last Previous Observation (Speed Report No. Z4: N. B. - P. C. C. This Observation Surface_

Date Feb. 25, 59, March 4, 59 Time 2:00 - 4:15 P.M. 2:00 - 3:45 P.M.

10:07 A.M. - 1:11 P.M. July 25, 1958 Date

Cloudy & Dry

Presen BUSSES ALL Last 1 1 1 1 l 1 Last Present 38.5 68 12.6 2.2 0 54 5000 pounds 89 23 15 135 0 18 S 0 or more 47.6 76.0 000 0.0 36 46.6 54 48.5 58 0.0 1 118 34 18 resent 84.6 69.2 26.9 3.9 46.2 5000 pounds 22,02 56.5 Less than 100 1 8 0 \$ 45 TRUCKS 75.0 33.3 0.0 0.0 39.7 54.4 63 LABL 110 1 27 3,3 Present 18.0 45.8 43.5 48.3 50.5 45 32 þ 12 0 86 ŧ 161 ALI 39 0.84 75.9 9.2 3.0 0.0 9.67 46.1 9.S.C 184 Present 98.8 60.7 55.1 87.2 23.5 23.5 8.6 36 26.5 74.5 74.5 58.9 75 Non-Indiana 13 13 18 6.4 2.0 106 59.5 76 59°B 80°3 42°2 17.7 Last 9506 60°2 90 98 3 13 12 1 56.8 20.9 9.3 2.33 109 59.7 86 PASSENGER CARS Last Present 301 91.7 80,1 59°3 75 18 192 32 Indiana 1.9 106 58.7 78 58.7 17.8 17.8 8,0 58°7 76 96.2 88.7 74.6 107 1 35 4 14.5 60.46 86 2,36 9.16 Present 81.7 56.8 21.5 59°2 97a4 59.7 # 237 \$ A 77.4 50.2 17.8 7.2 1.9 59,3 92.1 39°4 Last 204 No. of Vehicles Obs. No. of Vehicles Obs No. of Vehicles Obs Max. Speed (m.p.h. Max, Speed (m.p.h. Speed (m.p.h. Speed (m.p.h. State or Type State or Type Ave. Speed (m.p.h. State or Type State or Type Ave. Speed (m.p.h. Ave. Speed (m.p.h. Equaling Exceeding Exceeding Exceeding 75 Hepsh. 45 m. Doho 70 m.p.h. OBSERVATION JO Min. Min % BOUND BOUND Vehicles TTV



Station #2 - 1 Mile West of Klondike on U. S. 52

Weather Cloudy & Dry Last Previous Observation (Speed Report No. 24' Portland Cement Concrete 4 Lang Divided. This Observation Surface

Date December 30, 1958
Time 1:30 P.M. - 4:05 P.M.

Date August 12, 1958
Time 2:40 P.M. - 5:51 P.M.

SES		ALL	Present	1		•	-	1		1	-		ŧ				3		-	1	I		1	
BUSSES		Y	Last	1	1	-	-	1	1	1	+	1	1	-	1		ł	1	1	1	1	ł	i	
	5000 pounds	2.01	Present	78	9*9#	70°5	24.4	0.6	1,3	1.3	1	1	28	0.84	56	1	47	1	50	45.8	57	ł	29	1
	5000	John	Last	100	50.1	80.0	62,0	25,0	0.9	0	0	0	43	9°24	9		29	1	57	52.0	63	1	36	1
KS	than	onuna	Present	れ	53.7	9.08	0,17	6.14	32,2	12.9	3,2	1	18	53,2	77		34		13	54.5	89	ı	37	t
TRUCKS	Less than	Sono bounds	Last	26	55.9	100,00	73,1	46.2	30°8	19,2	3.8	3,8	6	52.4	779	1	45	1	17	57.7	77	1	45	-
		4	Present	109	9°87	73.4	37.6	18,3	10,1	9.4	6.	1	94	50.0	7	5000-	34	5000	63	47.6	88	5000-	182	70005
	נני	7	Last	126	51.3	84.3	6403	29.4	11:1	0°7	0.8	0.8	52	7.87	18	1	•	1	7.4	53,3	1		İ	1
		or alle	Present	120	61.8	98.3	97.4	82.5	52.5	20.8	9.2	2,5	4.5	61.6	8		711	1	75	62.1	79	1	39	1
	N() x () x	NOII-TI	Last	135	59.2	38,2	94.1	78.5	9°64	17.0	8,2	1.5	78	59.0	78	-	77	1	25	59.5	7,4	1	175	1
ER CARS	Indiana	Folia	Present	320	57.1	95.3	87.0	67.8	35,3	12,8	1.9	9.	158	58.3	77		36	•	162	56.0	78	•	38	
PASSENGER	, 70 g	<i>-</i>	Last	24.1	57.4	97.1	86.7	69.3	41.9	11.6	1.7	0.4	121	57.1	76		36	1	120	57.7	73	1	37	1
	ננס		Present	077	58°4	9 6 °9	0°06	71.8	0.04	15.0	3.9	1,1	203	59.0	8	-0.5	36	Ind	237	58.0	79-	9.5	38-	Ind
		C 1	Last	376	58.0	94.6	4°68	72.6	14.7	13.6	0°7	0.8	199	57.8	. 9			•	190	58.3				
			OBSERVATION	No. of Vehicles Obs.	Ave Speed (m.p.h.)	o 4.5 m. 2.h.	o 50 m p h	n of 55 m paha	1 0 B D P	u contraction of the second	A 20 monho	38 5 75 m. D. h.	No. of Vehicles Obs.	Ave Speed (mopoho)	- 1	State or Type	Min. Speed (m.p.h.)	State or Type	No. of Vehicles Obs.	Ave. Speed (m.p.h.)		State or Type	Min. Speed (m.p.h.)	State or Type



SPEED DATA

M

2.0 Miles North of Templeton on U. S. 52

Station #3 -

Weather Clear, Sunny, Good
Last Previous Observation (Speed Report No.

Date August 6, 1958
Time 11:04 A.M. - 1:13 P.M. 2 Lane 22' Bituminous This Observation Surface

Date January 8, 1959 Time 2:45 - 4:30 P.M.

SES		d	Present	1	1	1	l			1	1	ł		1		1	1		1	1	1		1	
BUSSES		LA	Last		-	-	-	1	-	1	1	1	1		1		ŧ		1	1	ı		1	
	spunod 0005	pore	Present	181	45.2	57.4	17.1	1.11	0	0	0	0	82	43.2	52	1	33	1	66	8.97	57	1	38	1
	5000 I	or more	Last		45.3	53.4	23.9	5.7	2,3	0	0	0	92	0.44	58	1	93	1	38	47.1	62	1	38	1
KS	than	spuno	Present	26	51.6	76.8	42.3	30.7	19,2	11.5	0	0	6	9.94	79	!	39	1	17	54.2	89	ł	39	1
TRUCKS	Less than	5000 pounds	Last	7	52.5	75.0	75.0	50.0	25.0	0	0	0	2	56.5	62	1	51	1	2	48.5	56	1	77	1
		1	Present	207	45.9	59.7	20°3	8.4	2.4	1.5	0	0	91	43.5	- 49	1	33		116	6.27	189		38-	1
		TA	Last	92	9*57	7.75	26.1	7.6	3.3	0	0	0	52	4.44	-	1		-	07	47.2		1	ı	1
		diana	Present	149	57.6	95.3	87.2	69.7	38.9	14.1	4.7	0	26	54.8	72	1	39	1	52	62.8	73	!	54	1
		Non-Indiana	Last	199	56.4	0.96	6°98	65.3	33.2	0.6	1.0	0	117	55.8	70	1	38	-	83	57,2	7/4	}	38	1
ER CARS		Indiana	Present	229	56,1	-96°1	84.6	59.5	26,2	7.4	0°6	1°0	122	54.1	63	ļ	39	-	107	58°4	7.7		39	-
PASSENGER		Indi	Last	141	56.4	95.0	84.4	58°5	33,3	13.5	2.1	0.7	8/	56.5	7	1	39	•	63	6.95	92	-	43	1
		1	Present	378	56,2	9506	85.6	63.4	31,2	10,01	2.4	0.3	219	54.4	72-		34		159	59.8	77		39	1
		A11	Last	340	56°4	95.6	85.9	62.4	33.2	10,9	1,5	0.3	195	56.0	1	1	ß	-	145	56.8	-	-	10	•
			OBSERVATION	No. of Vehicles Obs.		ā		pe /u	13	nt	1	3€ 0 75 ± D. h.	No	S Ave Speed (mopoho)		State or Type	Min Speed (mon.h.)	State or Type	No. o	Ave. Speed (mone, b.)	ł I	State or Type	Min. Speed (m.p.h.)	State or Type



8.0 Miles North of Perryburg on U. S. 31 Station #4 - 22' Bituminous Surface 2 Lane

This Observation
Date March 30, 1959
Time 12:35 P.M. - 3:00 P.M.

Weather Cloudy & Dry
Last Previous Observation (Speed Report No.
Date August 5, 1958
Time 12:10 P.M. - 3:04 P.M.

			PASSENGER	TER CARS		٠			TRUCKS)KS			BUSSES	383
	A	LTA	Indi	Indiana	Non-Tr	Non-Indiana	רע		5000 nound	Less than	2000	spunod		-
OBSERVATION	Last	Present	Last	Present	Last	Present	Last	Present	Loat	Present	4	Present	Toot	Present
No. of Vehicles Obs.	380			238	34	89		83	37	26]	57	-	-
Ave. Speed (m.p.h.)	=	1 -	53.8	55.3	56.3	58.4	78.6	47.9	52.5	50.6	6.97	46.6	1	1
- 5	0,8		688	9204	0.46	98.5	70.6	66,3	83.8	80.8	9.49	59.7	1	1
	76,3	-	73.6	4.62	85.7	92.7	42.9	45.8	67.6	65.4	31.7	36.8	1	1
55	49.5		45.3	57.6	6403	69.1	2002	13,3	35.1	26.9	13.4	7.0	1	1
9	25.8		22.6	30,7	36.9	39,70	7.6	0.9	18.9	11.5	2.4	3.5	1	
in the state of th	7.9	Υ.,	8.1	8.4	7.1		8.0	0	0	0	1,2	0	1	1
1 7	2.4		2.7	3.8	1,2	5.9	0	0	0	0	0	0	1	1
34 5 75 m.p.h.	0.8		1.0	1.7	0		0	0	0	0	0	0	1	1
No. of Vehicles Obs.	197		191	128	36	39	51	43	17	11	34	32	1	1
Ave., Speed (mopoho)	54.8	57.2	54.2	57.1	57.3	57.6	49.5	8.8	54	50.7	47.2	78,5	1	1
Max. Speed (m.p.h.)	1	-08	78	92	20	80	1	4	63	23	63	63	1	1
State or Type	ě	- Non-	1	I	1	1		Z See	1	I		1		
Min, Speed (m.p.h.)	0	07	32	07	17	07	ß	39.00	07	17	27	36	ı	1
State or Type	1	Inde	į	þ	1		1	ZOOD!	1	-	1	i	1	
No. of Vehicles Obs.	183	139	135	110	84	29	89	1007	20	15	84	25	1	1
Ave. Speed (m.p.h.)	53.9	54.2	53,3	53.3	55.6	57.7	6.27	6.94	51.1	50.5	9.94	14.7	1	1
Max. Speed (m.p.h.)		- 44	90	65	89	77	1	- 25	79	62	69	59	1	1
State or Type		Non-		1	1			1	1	1	1		1	-
Min. Speed (m.p.h.)		34:	32	34	38	87	1	3,0	38	38	30	36	1	l
State or Ivpe	1	Inde	1	1	1	1	-	SYSE.	1	1	1	1		



station #5- 1 Mile South of Americus on S. R. 25

Surface 2 Lane 22' Bituminous

This Observation
Date March 18, 1959
Time 2:00 - 4:15 P.M.

Last Previous Observation (Speed Report No. Date August 12, 1958

Time 10:50 A.M. - 1:34 P.M.

ES			Present	1	-		-			1		-			1	-				1			1	
BUSSES		LTA	Last	1	1	-	-	1	1	1	1	1	1	1	1		i			1	1	1	1	
	5000 pounds	00 I/O	Present	116	45.8	57.8	25.9	2.6	6.0			1	53	7.44	58	2	36	-	63	46.7	79	i	35	1
	5000	or more	Last	69	6.94	71.0	37.7	5.8	0	0	0	0	31	46.3	58	-	35	-	38	47.4	57	1	33	1
KS	than	ounds	Present	34	50.8	79.4	50.0	29.4	17.7	1	1	1	19	48.3	63	-	39	1	15	53.9	63	1	1.2	1
TRUCKS	Less than	5000 pounds	Last	26	53.8	88.5	69.2	50.0	30.8	11.5	3.8	0	71	57.5	20	1	4.5	1	14	50.6	63		30	
			Present	150	6.94	62.7	31,3	8.7	4.7	1	1	1	72	45.7	\$	•	36	-	78	48.1	15		35	•
		¥.	Last	96	8.84	75.8	46.3	17.9	8.4	3.2	1.1	0	643	7.67	f		0	*	52	£°87	1	1		•
		iana	Present	14	55.9	92.9	85.7	50.0	35.7	14.3	14.3	7.1	7	9.09	92		50	1	7	51.1	3	-	777	1
	,	Non-Indiana	Last P	98	56.2	93.0	75.6	60°5	41.9	11.6	5.8	2,3	39	56.5	73	1	07	1	47	56.1	92	!	34	1
ER CARS		Indiana	Present	337	55.0	6.68	76.0	48.4	29.4	11.6	4.2	1.5	147	55.4	83		34	1	190	54.7	96		33	1
PASSENGER		Indi	Last	318	53.9	4.88	72.3	47.5	24.8	9.9	1.6	0,3	176	53.1	70	100	37	.	77	55.0	77	1	38	
			Present	351	55.1	0.06	76.4	787	29.6	11.7	4.3	1.7	154	55.6	-28		34	į	197	54.6	96		33	
		ALI	Last	707	5404	89.1	73.0	50°5	28.5	7.7	2.5	0.7	215	53.7	-	10		1	189	55.2		1		100
			OBSERVATION	No. of Vehicles Obs.	Ave Speed (m.p.h.)	2	บา	in in	111	X.	70	Nº 0 75 ₺ ₽. ₽. ₽.	No. of Vehicles Obs.	Ave. S	Max. Speed	State	Min. Speed (m.p.h.)		No. o			State or Type		State o
			OBSERV	No. of V	1		บา	in in	111	ox; enl	70	0 75	No. of	S	Max.			Sta		Ave. Sue	Max.	Sta	ь.	11



TABLE VII SPEED DATA

station #6- 1.0 Mile North of Boswell on U. S. 41

Weather Cloudy & Dry Last Previous Observation (Speed Report Ne. ł Date Date March 31, 1959 Time 9:30 A.M. - 12:30 P.M. 22' Bituminous 2 Lane 22' Bit This Observation Surface

BUSSES		AL TA	Present				1	1	1	1	1		1	1	1			þ		1			•	
		1	Last	1	1	1	1	1	1	1	1	1	1	1	l	•	1	8	ł	1	1		•	Ì
TRUCKS	5000 pounds	or more	Present	76	44.2	47.4	21,1	0°7	0	0	0	0	43	44.1	55	1	36	1	33	44.3	58	1	30	-
		or	Last	1	ł	l	1	!	ł	1	1	1	1	1	!	-	1	1	1	1	-	I	1	1
	Less than	spunoc	Present	23	0.84	9.69	47.8	21.7	7.7	0	0	0	6	45.7	51	I	36	1	14	9°67	79	ſ	32	1
		5000 pounds	Last	ì	l	ł	l	!		1	1	1	1	1	1	1	1	1		1	1	1	ł	1
		AII	Present	99	45.1	52.5	27.3	8,1	1,0	0	0	0	25	0°44	55	CVOTA 1	1380	Less &	7.4	6.54	— 19	KARA/	138K	Over,
			Last	ł	ı	1	f	I	1	ł	-	ı	1	!	1		١		ł	1	l	١	į	l
PASSENGER CARS		Non-Indiana	Present	183	9,95	96.17	91.3	68,3	32.8	9.8	1.1	0	76	57.0	70	-	4.2	1	89	1.95	n	1	38	
			Last	ŀ	1		1		į	j	l	!	ı	ł	1	ł	1	ł	I	1	ł	1	1	1
		Indiana	Last Present	128	56.2	96.1	79.7	63.3	34.4	11.7	5°5	1,6	79	57.5	78		42	þ	79	55.0	7,4	1	34	
			Last	1	1		ı	ļ	1	1	١	1	1	1	1	1	1	1	1	1	l	į	1	l
		A11	Last Present	311	56.5	96.0	86.5	66,2	33.4	10.6	2.9	9.0	158	57.1	78—	End.	1.2	Ind. &	153	9.55	77	Ind.	34	Inde
			Last	-	1		1	1	1	ı	ĵ	I	1	1	1					1		1	1	-
			OBSERVATION	No. of Vehicles Obs.			יטי ?	pe gur	173	The state of the s	्स	№ 0 75 mon ho	No	Ave Speed (mopoh)		State or Type	Min. Speed (mon.h.)		No	Ave. Speed (m.p.h.)	1	State or Type	Min. Speed (m.p.h.)	



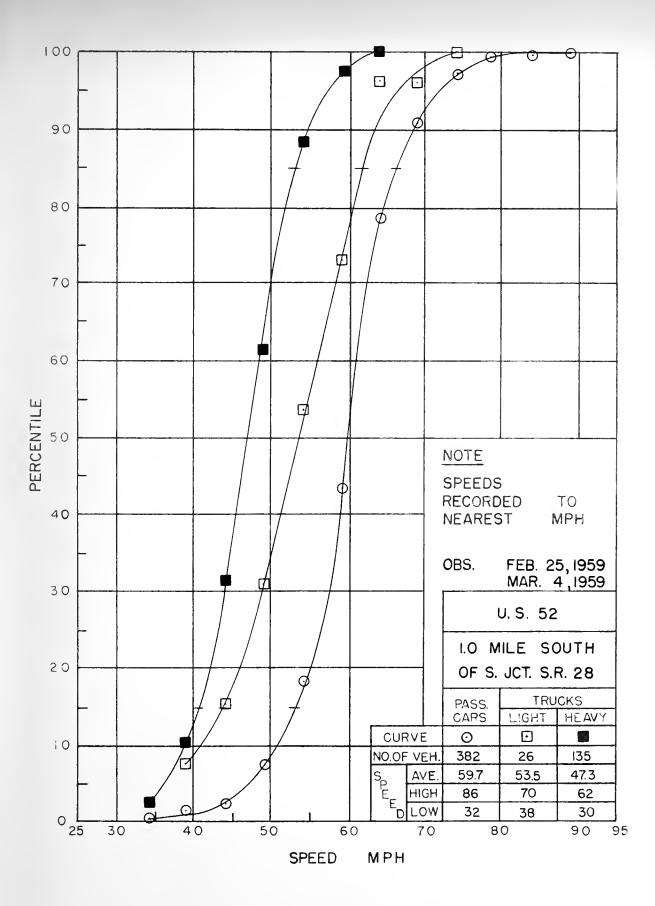


FIGURE I



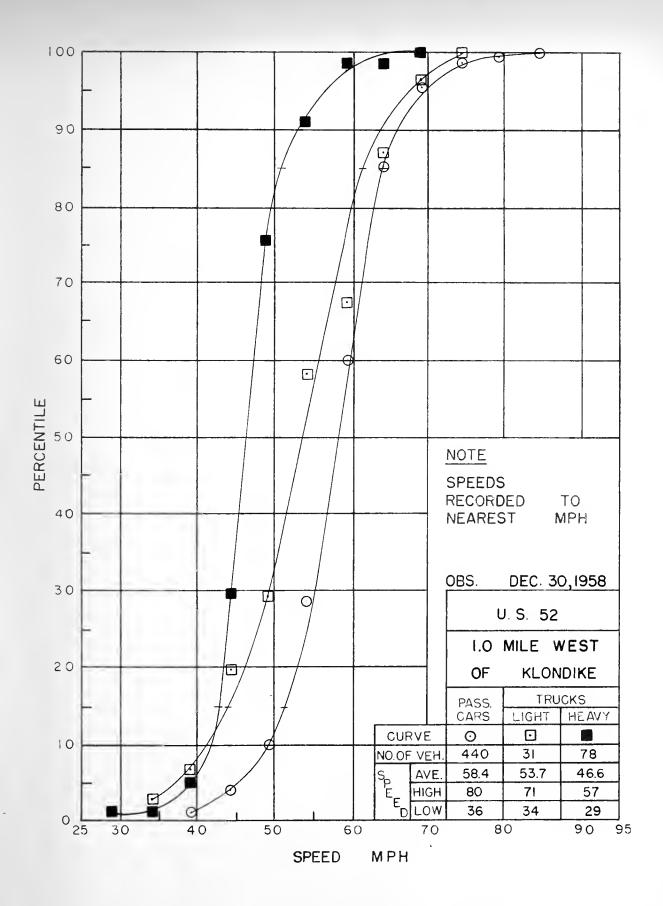


FIGURE 2



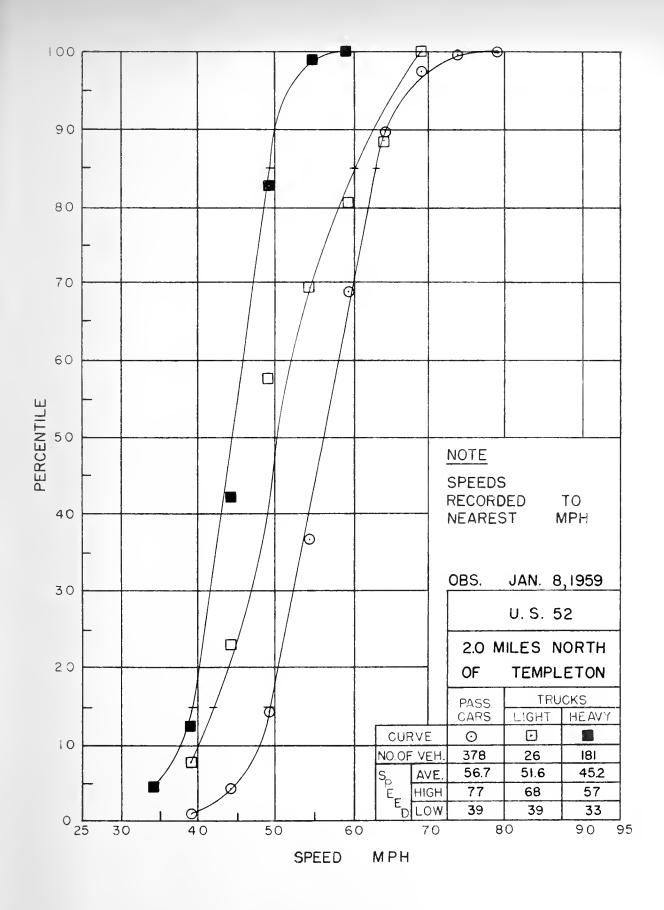


FIGURE 3



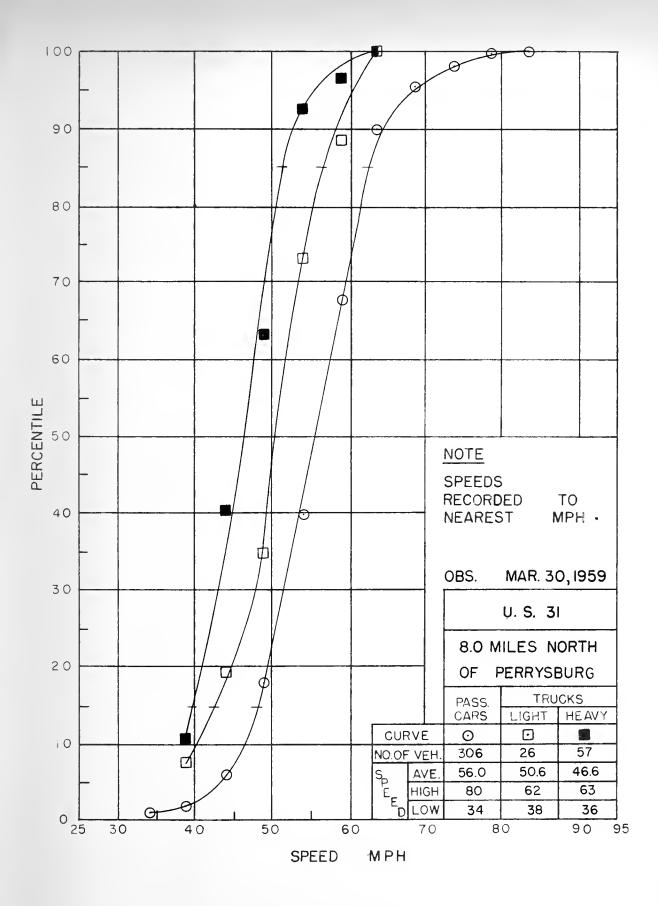


FIGURE 4

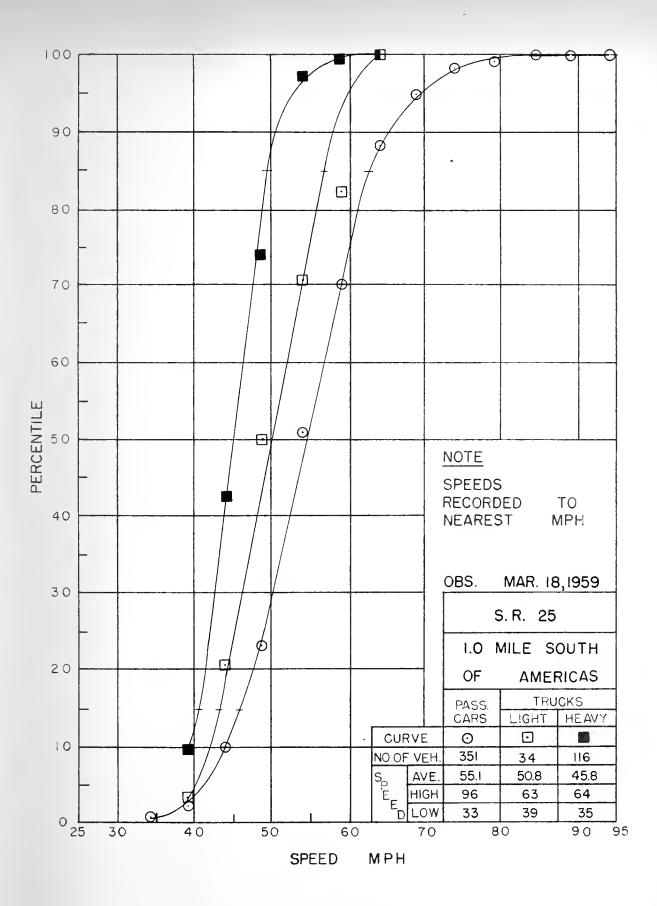


FIGURE 5



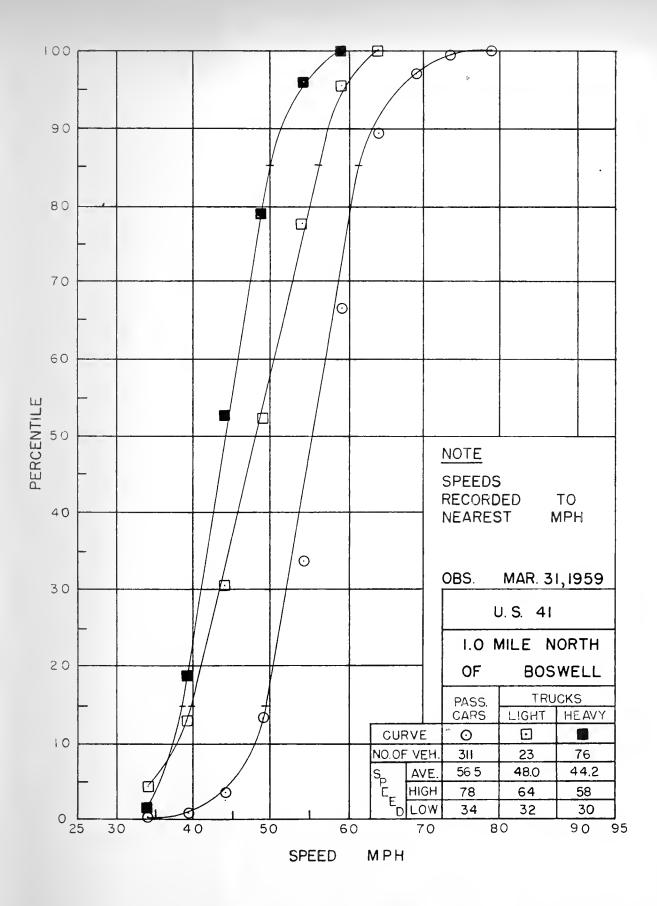


FIGURE 6



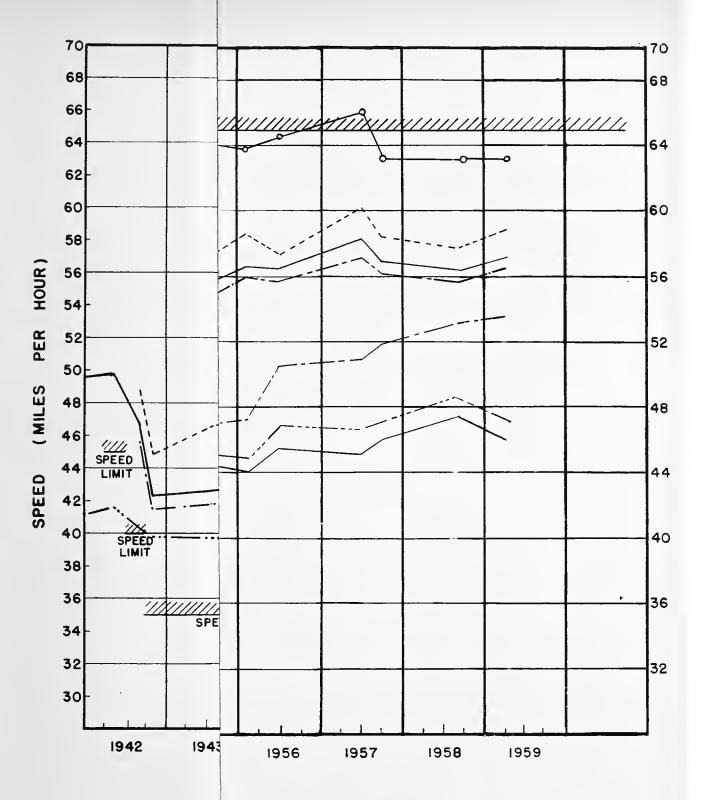


FIG. 7



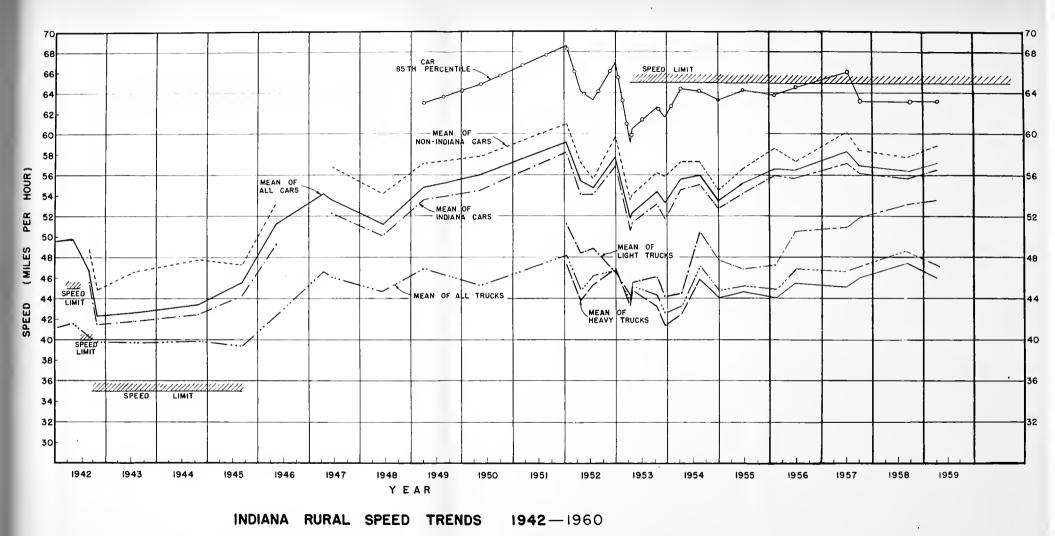


FIG. 7



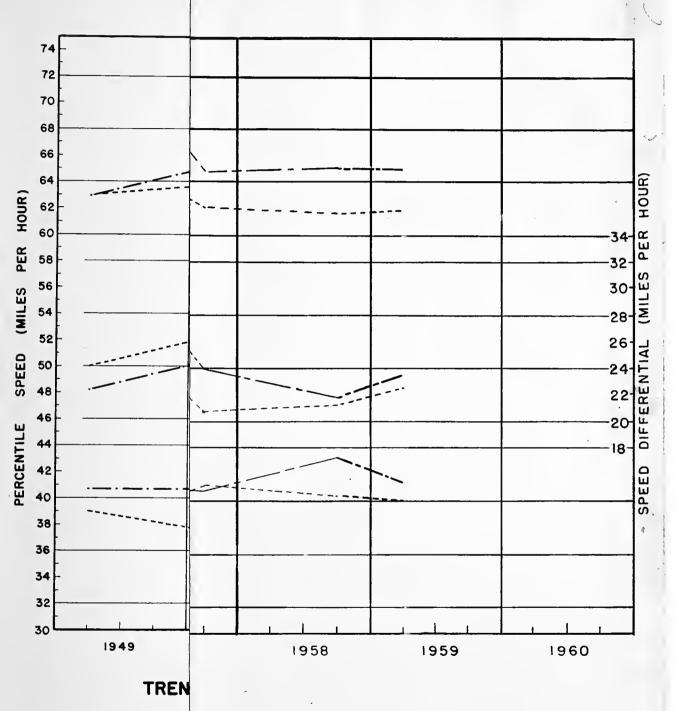


FIG. 8



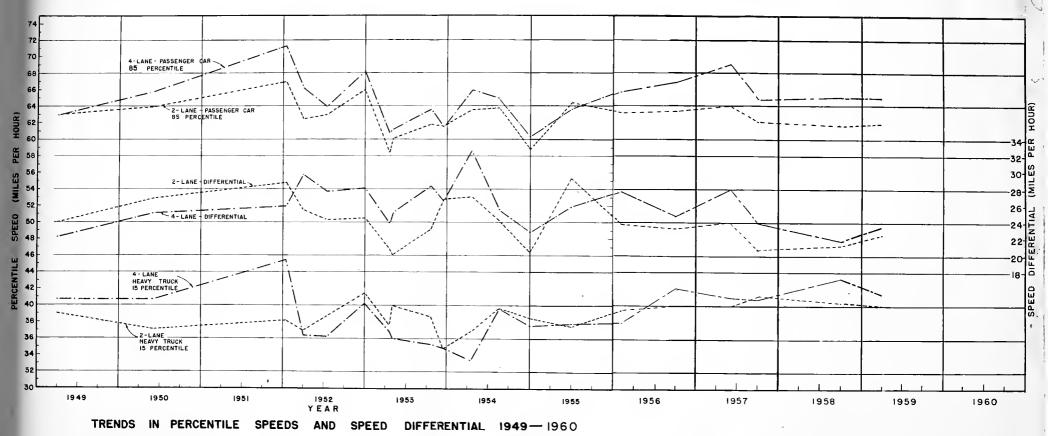


FIG. 8





